EAST Search History (13 pp.)

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|----------|------|------------------------------|---|---------------------|---------|------------------|
| L1 | 2 | jp-2001015798\$-\$.did. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/06 14:16 |
| L2 | 2 | jp-2002232005\$-\$.did. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/06 14:17 |
| L3 | 2 | jp-2000174344\$-\$.did. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/06 14:20 |
| L4 | 2 | ("6350997").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/03/06 14:21 |
| L5 | 2 | jp-11307810\$-\$.did. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/03/06 14:21 |
| L6 | 2 | jp-2002344017\$-\$.did. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/06 14:53 |
| L7 | 2 | ("20020104997").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/03/06 14:53 |
| L8 | 0 | 7 and doped near12 barrier | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/03/06 14:53 |
| L9 | 0 | 7 and undoped near12 barrier | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/03/06 14:53 |

| L10 | 0 | 7 and un-doped near12 barrier | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/03/06 14:54 |
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| L11 | 0 | 7 and un-doped near12 MQW | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/03/06 14:54 |
| L12 | 0 | 7 and undoped near12 MQW | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/03/06 14:54 |
| L13 | 0 | 7 and doped near12 MQW | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/03/06 14:54 |
| L14 | 14398 | ((257/79) or (257/8\$1) or (257/9\$1) or (257/100) or (257/101) or (257/102) or (257/103) or (372/43.01) or (372/45.01)).CCLS. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/03/06 15:44 |
| L15 | 0 | 14 and exfoliat\$3.ti,ab,clm. and (spacer barrier).ti,ab,clm. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/06 15:45 |
| L16 | 1511 | 14 and (spacer barrier).ti,ab,clm. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/06 15:45 |
| L17 | 509 | 14 and (spacer barrier).ti,ab,clm. and (clad cladding).ti,ab,clm. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/06 15:46 |
| L18 | 12 | 14 and (spacer barrier).ti,ab,clm. and (clad cladding).ti,ab,clm. and (hitachi.as. konno.in.) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/06 15:47 |
| L19 | 10 | 14 and (spacer barrier).clm. and (clad cladding).clm. and (hitachi. as. konno.in.) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/06 15:47 |

| S1 | 5 | "807413".ap. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/05/30 18:43 |
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| S2 | 2 | jp-2002226846\$-\$.did. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/05/30 19:06 |
| S3 | 41 | exfoliati\$2.ti,ab,clm. and (light-emitting adj (device diode) light adj emitting adj (device diode)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/05/30 19:12 |
| S4 | 3 | exfoliati\$2.ti,ab,clm. and (light-emitting adj (device diode) light adj emitting adj (device diode)) and AlGaAs and (ITO indium-tin-oxide) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/05/30 19:20 |
| S5 | 1 | exfoliati\$2 near6 AlGaAs and (ITO indium-tin-oxide) and (257/79. ccls. 257/8\$1.ccls. 257/10\$1.ccls.) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/05/30 19:22 |
| S6 | 1 | exfoliati\$2 near6 AlGaAs and (ITO indium-tin-oxide) and (372/4\$1. ccls. 372/50.ccls. 257/79.ccls. 257/8\$1.ccls. 257/9\$1.ccls. 257/10\$1.ccls.) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/05/30 19:22 |
| S7 | 2 | (lift-off exfoliati\$2) near6 AlGaAs and (ITO indium-tin-oxide) and (372/4\$1.ccls. 372/50.ccls. 257/79.ccls. 257/8\$1.ccls. 257/9\$1.ccls. 257/10\$1.ccls.) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/05/30 19:24 |
| S8 | 5 | (lift-off exfoliati\$2) near6 (aluminum AlGaAs) and (ITO indium-tin-oxide) and (372/4\$1. ccls. 372/50.ccls. 257/79.ccls. 257/8\$1.ccls. 257/9\$1.ccls. 257/10\$1.ccls.) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/05/30 19:26 |
| S9 | 1 | (exfoliati\$2) near6 (aluminum AlGaAs)and (372/4\$1.ccls. 372/50. ccls. 257/79.ccls. 257/8\$1.ccls. 257/9\$1.ccls. 257/10\$1.ccls.) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/05/30 19:26 |

| S10 | 1 | (exfoliati\$2) near6 (aluminum AlGaAs) and (372/4\$1.ccls. 372/50.ccls. 257/79.ccls. 257/8\$1. ccls. 257/9\$1.ccls. 257/10\$1.ccls.) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/05/30 19:26 |
|-----|------|--|---|----|----|------------------|
| S11 | 1 | (exfoliati\$2) near6 (aluminum AlGaAs Al AlAs) and (372/4\$1.ccls. 372/50.ccls. 257/79.ccls. 257/8\$1. ccls. 257/9\$1.ccls. 257/10\$1.ccls.) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/05/30 19:27 |
| S12 | 131 | (exfoliati\$2) near6 aluminum | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/05/30 19:29 |
| S13 | 68 | (exfoliati\$2) near3 aluminum | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/05/30 19:34 |
| S14 | 19 | (ITO indium-tin-oxide) near6 (AlGaAs AlAs) and ((light-emitting light adj emitting) adj (diode device laser)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/05/30 20:03 |
| S15 | 1259 | stop adj layer.ti. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/05/30 19:49 |
| S16 | 2 | stop adj layer.ti. and light-emitting adj diode | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/05/30 19:49 |
| S17 | 0 | (ITO indium-tin-oxide) near6 (AlGaAs:Zn AlGaAs:Si AlGaAs:Ge AlAs:Zn AlAs:Si AlGa:Ge) and ((light-emitting light adj emitting) adj (diode device laser)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/05/30 20:04 |
| S18 | 0 | (ITO indium-tin-oxide) near6 ("AlGaAs:Zn" "AlGaAs:Si" "AlGaAs:Ge" "AlAs:Zn" "AlAs:Si" "AlGa:Ge") and ((light-emitting light adj emitting) adj (diode device laser)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/05/30 20:04 |

| S19 | 0 | (ITO indium-tin-oxide) near6 (AlGaAs near4 ((heavily highly) adj doped) "AlGaAs:Zn" "AlGaAs:Si" "AlGaAs:Ge" "AlAs:Zn" "AlAs:Si" "AlGa:Ge") and ((light-emitting light adj emitting) adj (diode device laser)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/05/30 20:05 |
|-----|----|--|---|----|----|------------------|
| S20 | Ö | (TTO indium-tin-oxide) near10 (AlGaAs near4 ((heavily highly) adj doped) "AlGaAs:Zn" "AlGaAs:Si" "AlGaAs:Ge" "AlAs:Zn" "AlAs:Si" "AlGa:Ge") and ((light-emitting light adj emitting) adj (diode device laser)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/05/30 20:06 |
| S21 | 17 | (ITO indium-tin-oxide) near10 AlGaAs and (light-emitting light adj emitting) adj diode | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/05/30 20:06 |
| S22 | 0 | (ITO indium-tin-oxide) near10 AlGaAs:Zn and (light-emitting light adj emitting) adj diode | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/05/30 20:06 |
| S23 | 1 | (ITO indium-tin-oxide) near10 AlGaAs near10 Zn and (light-emitting light adj emitting) adj diode | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/05/30 20:07 |
| S24 | 1 | (ITO indium-tin-oxide) near10 AlGaAs near10 (Si Ge Zn Mg Cd) and (light-emitting light adj emitting) adj diode | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/05/30 20:08 |
| S25 | 0 | (ITO indium-tin-oxide) near10 AlGaAs near10 heavily adj doped and (light-emitting light adj emitting) adj diode | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/05/30 20:08 |
| S26 | 0. | (ITO indium-tin-oxide) near10 AlGaAs near10 (n+ "N+" heavily adj doped) and (light-emitting light adj emitting) adj diode | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/05/30 20:09 |
| S27 | 0 | (ITO indium-tin-oxide) near10 AlGaAs near10 ("n.sub.+" "N.sub. +" heavily adj doped) and (light-emitting light adj emitting) adj diode | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/05/30 20:09 |

| S28 | 17 | (ITO indium-tin-oxide) near10 AlGaAs and (light-emitting light adj emitting) adj diode | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/05/30 20:20 |
|-----|-----|---|---|----|----|------------------|
| S29 | 4 | ohmic adj contact near10 (AlAs AlGaAs) near10 (ITO TCO transparent) and (light-emitting adj diode light adj emitting adj diode) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/05/30 20:25 |
| S30 | 2 | ohmic adj contact near10 (AlAs AlGaAs) near10 (electrode) and (light-emitting adj diode light adj emitting adj diode) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/05/30 20:30 |
| S31 | 0 | ohmic adj contact near10 (AIAs AIGaAs) near10 (ITO TCO) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/05/30 20:31 |
| S32 | 0 | ohmic adj contact near10 (AIAs AlGaAs) near10 zinc adj oxide | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/05/30 20:31 |
| S33 | 106 | ohmic adj contact near5 (AlAs AlGaAs) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/05/30 20:32 |
| S34 | 51 | ohmic adj contact near3 (AIAs AlGaAs) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/05/30 20:51 |
| S35 | 0 | ohmic adj contact near3 (AIAs AlGaAs) and exfoliat\$3 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/05/30 20:43 |
| S36 | 0 | (adhesion adhesive) near10 (AlAs AlGaAs) near10 ohmic adj contact | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/05/30 20:51 |
| S37 | 5 | ohmic adj contact near3 (AlAs AlGaAs) and "10.sup.19"\$3 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/05/30 21:27 |

| S38 | 53 | band adj gap near4 ohmic adj contact | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/05/30 21:54 |
|-----|----|--|---|----|----|------------------|
| S39 | 27 | band adj gap near3 ITO | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/05/30 21:47 |
| S40 | 0 | direct adj gap near3 ohmic adj contact | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/05/30 21:49 |
| S41 | O | direct adj gap near3 contact adj region | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/05/30 21:50 |
| S42 | 0 | direct adj2 gap near3 contact adj region | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/05/30 21:50 |
| S43 | 6 | contact adj resistance near4 band adj gap | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/05/30 22:00 |
| S44 | 0 | (p-type adj ito) near5 (band adj gap) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/05/30 22:06 |
| S45 | Ō | "Al.sub."\$4"Ga.sub."\$4As near10 band adj gap near10 (contact adj region ohmic adj contact) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/05/30 22:15 |
| S46 | 2 | "6236065".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/05/30 22:35 |
| S47 | 2 | "6495862".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/05/30 22:35 |

| S48 | 0 | "6495862".pn. and AlGaN | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/05/30 22:35 |
|-----|-----|--|---|----|-----|------------------|
| S49 | 1 | "6495862".pn.: and exfoliat\$3 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/05/30 22:37 |
| S50 | 1 | "6495862".pn. and exfoliat\$3 and (AlGaAs AlGaN Al aluminum) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/05/30 22:50 |
| S51 | 690 | contact adj (region layer) near6 (impurity adj concentration) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/05/30 22:51 |
| S52 | 22 | contact adj (region layer) near4 (impurity adj concentration) and transparent adj electrode | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/05/30 22:51 |
| S53 | 0 | direct adj2 band adj gap near10 (ohmic adj contact contact adj region) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/05/31 06:43 |
| S54 | 6 | "Al.sub."\$4"Ga.sub."\$4As near10 (ohmic adj contact contact adj region) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/05/31 06:43 |
| S55 | 10 | (US-20020096688-\$ or US-20020110940-\$ or US-20040197981-\$ or US-20040227151-\$).did. or (US-5770489-\$ or US-6055262-\$ or US-6856087-\$ or US-6867426-\$).did. or (JP-2002226846-\$).did. or (JP-2002226846-\$).did. | US-PGPUB; USPAT; JPO; DERWENT | OR | OFF | 2005/05/31 07:31 |
| S56 | 3 | S55 and Zn | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/05/31 07:19 |

3/6/06 3:49:26 PM C:\Documents and Settings\JMondt\My Documents\EAST\Workspaces\10807413.wsp

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| | | EAST Scare | | - | | |
|-----|----|---|---|--------------|-------------|------------------|
| S57 | 2 | S55 and Mg | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/05/31 07:20 |
| S58 | 9 | "6495862" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/05/31 07:21 |
| S59 | 2 | ("6495862").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/05/31 07:21 |
| S60 | 11 | (US-20020096688-\$ or US-20020110940-\$ or US-20040197981-\$ or US-20040227151-\$).did. or (US-5770489-\$ or US-6055262-\$ or US-6856087-\$ or US-6867426-\$ or US-6495862-\$).did. or (JP-2002226846-\$).did. | US-PGPUB; USPAT; JPO; DERWENT | OR | OFF | 2005/05/31 07:31 |
| S61 | 1 | S60 and autodoped | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/05/31 07:33 |
| S62 | 75 | autodoped | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/05/31 07:33 |
| S63 | 35 | autodoped.ti,ab,clm. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/05/31 07:33 |
| S64 | 20 | jp-1130810\$-\$:did. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/06/01 15:09 |
| S65 | 2 | jp-11307810\$-\$.did. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/06/01 15:09 |

| S66 | 2 | jp-2002344017\$-\$.did. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/06/01 15:10 |
|-----|-----|--|---|----|-----|------------------|
| S67 | 2 | ("6350997").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/06/01 15:10 |
| S68 | 2 | "6350997".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/07 16:28 |
| S69 | 3 | "116324".ap. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/08 09:42 |
| S70 | 1 | (US-20040227151-\$).did. | US-PGPUB | OR | OFF | 2005/11/13 18:03 |
| S71 | 1 | S70 and prevent\$3 near6 concentrat\$3 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/11/13 18:06 |
| S72 | 2 | ("58698 4 9").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/11/13 18:10 |
| S73 | 8 | JP-2002232005\$-\$.did. JP-2000174344\$-\$.did. JP-08097467\$-\$.did. JP-2000312028\$-\$.did. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/11/13 18:38 |
| S74 | 2 | jp-2003158887\$-\$.did. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/11/13 19:11 |
| S75 | 418 | graded near3 clad\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/11/13 19:34 |

| S76 | 6 | (double graded) near3 clad\$4 and (indium adj tin adj oxide ito) and (zn zinc) near2 dop\$3 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/11/13 19:42 |
|-----|------|--|---|----|----|------------------|
| S77 | 10 | (double graded) near2 active and (indium adj tin adj oxide ito) and (zn zinc) near2 dop\$3 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/11/13 19:54 |
| S78 | 10 | (double graded bi-layer) near2 active and (indium adj tin adj oxide ito) and (zn zinc) near2 dop\$3 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/11/13 19:54 |
| S79 | 16 | (double graded bi-layer laminate) near2 active and (indium adj tin adj oxide ito) and (zn zinc) near2 dop\$3 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/11/13 19:55 |
| S80 | 3 | (double graded bi-layer laminate) near2 active and (indium adj tin adj oxide ito) and (zn zinc) near2 dop\$3 and AlGaInP | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/11/13 20:29 |
| 581 | 0 | "5869849".pn. and (mqw multiple ad adj "well") | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/11/13 20:30 |
| S82 | 1854 | (AlGaInP GaAlInP InGaAlP InAlGaP) and (mqw multiple ad adj "well") | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/11/13 20:31 |
| S83 | 348 | (AlGaInP GaAlInP InGaAlP InAlGaP) with (mqw multiple ad adj "well") | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/11/13 20:31 |
| S84 | 29 | (AlGaInP GaAlInP InGaAlP InAlGaP) with (mqw multiple ad adj "well") and ito | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/11/13 20:31 |
| S85 | 6 | (AlGaInP: GaAlInP: InGaAlP InAlGaP): with (mqw: multiple ad adj: "well") and ito and (zn zinc) near3 dop\$3 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/11/13 21:03 |

| S86 | 134 | (mqw multiple ad adj "well") with quantum adj2 efficiency | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/11/13 21:04 |
|-----|-------|--|---|----|-----|------------------|
| S87 | 0 | (mqw multiple ad adj "well") with quantum adj2 efficiency with light-emitting adj diode | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/11/13 21:04 |
| S88 | 14 | (mqw multiple ad adj "well") with quantum adj2 efficiency with (light adj emitting light-emitting) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/11/13 21:05 |
| S89 | 3 | (mqw multiple adj "well") with quantum adj2 efficiency with (light adj emitting light-emitting) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/11/13 21:05 |
| S90 | 4 | (mqw multiple adj quantum adj "well") with quantum adj2 efficiency with (light adj emitting light-emitting) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/11/13 21:05 |
| S91 | 117 | MQW near6 efficiency | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/11/14 08:58 |
| S92 | 0 | MQW near6 efficiency near6 light adj emitting and LED.ti,ab,clm. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/11/14 08:58 |
| S93 | 7 | MQW near6 efficiency near6 light adj emitting | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/11/14 08:58 |
| S94 | 20 | MQW near6 efficiency near6 ("LED" light adj emitting) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/11/14 09:49 |
| S95 | 11454 | ((257/79) or (257/8\$1) or (257/9\$1) or (257/100) or (257/101) or (257/102) or (257/103)).CCLS. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/11/14 09:49 |

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| S96 | 12220 | ((257/79) or (257/8\$1) or (257/9\$1) or (257/100) or (257/101) or (257/102) or (257/103) or (372/43.01)).CCLS. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/11/14 09:49 |
|----------|-------|---|---|----|-----|------------------|
| S97 | 124 | S96 and (damag\$3 exfoliat\$3 degradat\$3 erosion eroding corrosion corroding) near6 electrode and transparent near4 electrode | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/11/14 09:52 |
| S98 | 83 | S96 and (damag\$3 exfoliat\$3 degradat\$3 erosion eroding corrosion corroding) near6 electrode and transparent near4 electrode and @ad<"20030401" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/11/14 09:52 |
| S99 | 1 | (US-20040227151-\$).did. | US-PGPUB | OR | OFF | 2006/01/26 16:21 |
| S10 0 | 1 | (US-20040227151-\$).did. and "between" and (band adj gap gap) | US-PGPUB | OR | OFF | 2006/01/26 16:22 |
| S10 1 | 2 | ("5869849").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/03/06 12:02 |
| S10 2 | 2 | ("20020104997").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/03/06 12:14 |
| S10 3 | 81 | waveguide adj layer near6 (clad cladding) and (257/8\$1.ccls. 257/9\$1.ccls.) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/06 12:18 |
| S10 4 | 4 | (AlGaInP AlInGaP) and (257/8\$1. ccls. 257/9\$1.ccls.) and "undoped" near4 "between" near4 (clad cladding) near4 active | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/06 14:14 |

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